

Remarks

Claims 1-4, 8, 9, and 12-16 are pending in this application. By the foregoing amendment, Applicants seek to cancel claims 5-7, 10, and 11, and amend claims 1, 9, 14, and 15. These changes are believed to be fully supported by the specification and are not believed to introduce new matter. Thus, it is respectfully requested that the amendments be entered by the Examiner. The Examiner is invited to telephone the undersigned representative if it is believed that an interview might be useful for any reason.

Respectfully submitted,

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Date: 6/6/01

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P103-81.wpd

Version with markings to show changes made

In the Claims:

1. (Once Amended) A method for down-converting and de-spreading a received spread spectrum signal, comprising the steps of:

(1) receiving the spread spectrum signal; and

(2) sampling the received spread spectrum signal according to a control signal resulting in a de-spread baseband signal, wherein said control signal includes a spreading code corresponding to said received spread spectrum signal[, and wherein pulses of said control signal include pulse widths that are established to improve energy transfer to the de-spread baseband signal].

9. (Once Amended) The method of claim 1, wherein said step (2) comprises the steps of:

(a) generating an oscillating signal;

(b) generating a spreading code;

(c) modulating said oscillating signal according to said spreading code, resulting in a spread oscillating signal; and

(d) triggering a pulse generator according to said spread oscillating signal to generate said control signal [, wherein pulses from said pulse generator have a pulse width established to improve energy transfer to the de-spread baseband signal].

14. (Once Amended) The apparatus of claim 13, further comprising:

a pulse generator coupled between said spreading code generator [to] and said UFD module, comprising a means for generating said control signal having a plurality of pulses based on said spreading code [with a corresponding pulse width established to improve energy transfer from the spread spectrum signal to the de-spread baseband signal].

15. (Once Amended) The apparatus of claim [14]13, wherein said storage device is one of a capacitor and an inductor.

Claims 5-7, 10, and 11 have been canceled.